# Polytron® A60N01

PA66-GLF60 Polyram

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Molding shrinkage, parallel | **0.1** | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | **0.3** | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Tensile Modulus | **23000** | MPa | ISO 527 |
| Tensile Strength | **290** | MPa | ISO 527 |
| Flexural modulus, 23°C | **21000** | MPa | ISO 178 |
| Flexural strength | **400** | MPa | ISO 178 |
| Charpy impact strength, +23°C | **105** | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | **45** | kJ/m² | ISO 179/1eA |
| **ASTM Data** | | | |
| Flexural Strength | **400** | MPa | ASTM D 790 |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Melting temperature, 10°C/min | **260** | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | **253** | °C | ISO 75-1/-2 |
| Burning behav. at thickness h | **HB** | class | IEC 60695-11-10 |
| Thickness tested | **3.0** | mm | - |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Water absorption | **3** | % | Sim. to ISO 62 |
| Humidity absorption | **1** | % | Sim. to ISO 62 |
| Density | **1680** | kg/m³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **120** | °C | - |
| Pre-drying - Time | **2 - 4** | h | - |
| Mold temperature | **90 - 120** | °C | - |
| Zone 1 | **290 - 300** | °C | - |
| Zone 2 | **290 - 300** | °C | - |

## Characteristics

**Processing**
Injection Molding

**Delivery form**
Pellets, Natural Color

**Special Characteristics**
Heat stabilized or stable to heat

**Features**
Chemically Coupled Reinforcement, Long fiber reinforced

**Certifications**
RoHS compliant

**Regional Availability**
North America, Europe, Asia Pacific, South and Central America, Near East/Africa